

## RELEASE REPORT

### October 1<sup>st</sup> – December 31<sup>st</sup>, 2021

The Kansas Division of Emergency Management (KDEM), the Kansas Department of Health and Environment (KDHE), and the Kansas Corporation Commission (KCC) are reporting that there were approximately 340 releases reported for the period of October 1<sup>st</sup> through December 31<sup>st</sup>, 2021.

Spills are reported to KDEM, KDHE, and the KCC. Each agency has their own requirements and thresholds for reporting spills or releases. Any spill or air release that exceeds the Reportable Quantity (RQ) for a hazardous chemical listed in the Environmental Protection Agency's (EPA'S) SARA Title III List of Lists (LOL) is reportable to KDEM. Any spill or release that involves water or soil is required to be reported to KDHE. Spills or releases at oil and gas exploration and production sites are required to be reported to the KCC.

The counties with the most spills or releases reported are below.

<b>COUNTIES WITH THE MOST RELEASES</b>	
<i>County</i>	<i>Incidents</i>
Butler	16
McPherson	11
Sedgwick	11
Reno	9
Wyandotte	9

The primary sources, primary causes and the number of instances of the releases reported to KDEM and KDHE are shown in the table below. KCC spills are on an oil lease, primarily from lead lines or tanks.

<b>PRIMARY SOURCES</b>		<b>PRIMARY CAUSE</b>	
<i>Source</i>	<i>Number of Incidents</i>	<i>Cause</i>	<i>Number of Incidents</i>
<b>Fixed Facility</b>	34	<b>Equipment Failure</b>	60
<b>Motor Vehicle</b>	28	<b>Natural Phenomena</b>	51
<b>Pipeline</b>	24	<b>Operator Error</b>	18

The types of chemicals released varied greatly. The most frequently released chemicals reported to KDEM and KDHE, along with the frequently released chemicals reported to KCC, are listed below:

<b>MOST FREQUENTLY RELEASED CHEMICALS FOR KCC</b>	
Brine/Salt Water <i>93 Releases</i>	
Crude Oil <i>67 Releases</i>	
<b>MOST FREQUENTLY RELEASED CHEMICALS FOR KDHE AND KDEM</b>	
<i>Commodity</i>	<i>Incidents</i>
<b>Electrical Insulating Oil</b>	48
<b>Diesel Fuel</b>	28
<b>Hydraulic Oil</b>	11
<b>Motor Oil</b>	10
<b>Natural Gas</b>	6

Although the above table indicates the *frequency* a chemical was released, perhaps the *largest quantity* of a chemical released gives a better picture of the amount of chemicals entering Kansas's air, water and soil.

<b>LARGEST QUANTITY OF RELEASED CHEMICALS FOR KDHE AND KDEM</b>			
<i>Material</i>	<i>Total (in pounds)</i>	<b>Main Source(s)</b>	<b>Main Cause(s)</b>
<b>Diesel Fuel</b>	14,716.46	Motor Vehicle/Carrier	Transportation Accident
<b>Electrical Insulating Oil</b>	3788.52	Fixed Facility	Equipment Failure
<b>Motor Oil</b>	3341.55	Motor Vehicle/Carrier	Transportation Accident
<b>Hydraulic Oil</b>	1188.00	Motor Vehicle/Carrier	Transportation Accident